

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (previously presented): A multilayer decoupling, sealing and drainage system in particular for laying ceramic paving by using a thin-bed method, said system comprising a layered construction containing, from the base upwards,

 a drainage layer that is formed from a lattice-type structural element and comprising drainage areas that are formed between the lattice structures of the lattice-type structural element,

 a liquid-permeable and non-woven layer,

 an anchoring layer that is configured from a second lattice-type structural element and used to hold a filler material that is to be incorporated into the upper face of the sealing and drainage system, which is plastic during processing and subsequently cures,

 a reinforcing layer which is fixed, at least in some sections, to the anchoring layer.

Claim 2 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in Claim 1, characterized in that the first lattice-type structural element and the second lattice-type structural element, are of identical structure.

Claim 3 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in Claim 1, characterized in that the lattice-type structural element is formed from individual rods that are disposed to one another in the manner of a lattice and fixed to one another at the points of intersection of the lattice.

Claim 4 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in Claim 3, characterized in that the individual rods of the lattice-type structural element are of an essentially rectangular cross section.

Claim 5 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in Claim 3, characterized in that the intersecting individual rods of the lattice-type structural element, are so arranged that a first layer consists of identically oriented individual rods beneath a second layer of individual rods that are disposed at an angle thereto and are in each instance oriented identically to one another.

Claim 6 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the lattice-type structure of the individual rods is in the form of a rhombus, a rectangle, or a square.

Claim 7 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the individual rods of the two layers are welded to one another at the points of intersection when under mechanical pressure.

Claim 8 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the individual rods of the lattice-type structural element have slanted edge areas, at least at their points of intersection, thereby forming undercut sections on the individual rods.

Claim 9 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that free, channel-like areas for removing liquid that penetrates the sealing and drainage system are formed between the first and second layer of individual rods.

Claim 10 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in Claim 9, characterized in that because of the arrangement of the lattice-type structures, when the sealing and drainage system has been laid, the channel areas are so arranged that fluid that has penetrated the sealing and drainage system drains off independently.

Claim 11 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the reinforcing layer is welded onto the anchoring layer.

Claim 12 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in Claim 1, characterized in that the reinforcing layer is cemented onto the anchoring layer.

Claim 13 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the reinforcing layer is in the form of a lattice-type textile, to provide for secure anchoring with the filler material that is to be incorporated on top of the sealing and drainage system.

Claim 14 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the reinforcing layer extends beyond the other layers at least in individual edge areas of the sealing and drainage system so as to create a transition to other sections of the sealing and drainage system.

Claim 15 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the sealing and drainage system is laid so as to float on a substratum.

Claim 16 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in Claim 1, characterized in that the sealing and drainage system is laid rigidly on a substratum.

Claim 17 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that below the drainage layer there is a sealing layer arranged on the drainage layer, said sealing layer being impermeable to liquid.

Claim 18 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in Claim 17, characterized in that the sealing layer is attached so as to self-adhere to adjacent sealing layers of other sections of the sealing and drainage system.

Claim 19 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in Claim 17, characterized in that the self-adhering sealing layer is a bitumen-cold self- adhering strip.

Claim 20 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in Claim 17, characterized in that the sealing layer is formed from a polymer sealing layer, in particular from a polyethylene sealing layer.

Claim 21 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in Claim 20, characterized in that the sealing layer of a polymer sealing layer extends beyond the other layers of the sealing and drainage system, at least in individual edge areas so as to create a transition area that is impermeable to liquids to other sections of the sealing and drainage system.

Claim 22 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the thickness of the drainage layer is between 2 and 6 mm.

Claim 23 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the thickness of the anchoring layer is between 2 and 6 mm.

Claim 24 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the overall thickness of the sealing and drainage system is between 4 and 12 mm.

Claim 25 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the liquid permeable non-woven layer exhibits very low resistance to the passage of liquid.

Claim 26 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the liquid-permeable non-woven layer prevents the filler material, which is incorporated into the anchoring layer when plastic, from penetrating into the drainage layer.

Claim 27 (previously presented): The multilayer decoupling, sealing, and drainage system as defined claim 1, characterized in that after the incorporation of the filler material, the anchoring layer is essentially completely filled with the filler material and the reinforcing layer that is imbedded in the hardened filler material performs a stiffening and reinforcing function with respect to mechanical loads applied from above.

Claim 28 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that a barrier layer, in particular a barrier layer for providing soundproofing and in particular for attenuating impact noise, is arranged beneath the drainage layer.

Claim 29 (previously presented): The multilayer decoupling, sealing, and drainage system as defined in claim 1, characterized in that the barrier layer is formed by a polymer layer, in particular by a polyethylene layer, or is formed by a bitumen layer.